HCMM Energy Budget Data As A Model Input For Assessing Regions Of High Potential Groundwater Pollution

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15. Supplementary Notes

16. Abstract

Progress of the investigation is reported. Field measurements and analysis of soils information have begun in preparation of HCMM launch.

17. Key Words Suggested by Author	18. Distribution Statement
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A. Problems

None

B. Accomplishments

All data from October and November, 1977, WB-57F and U-2 overflights have been received.

Intensive test sites in eastern South Dakota have been selected. Soils information and farmer interviews are being used to select test fields within the sites for soil-temperature, soil moisture, water-table depth and vegetation measurements. Personnel from East Dakota Conservancy Subdistrict have begun monitoring 170 observation wells for determining water table depths. Other measurements will begin within the next three weeks.

Soil association information for eastern South Dakota is being coded into a geographic data base (0.5 x 0.5 km cell size) to be used in the interpretation of HCMM data.

During the next reporting period, the finite-difference heat-flow model will be calibrated for the intensive test sites. Evaluation of ground, aircraft, and satellite data will begin to evaluate HCMM temperature and thermal inertia data for assessing regions of shallow water tables.

C. Significant Results

None at this time

D. Publication

None at this time

E. Recommendations

None at this time

F. Funds expended

$12,632

G. Data Utility

Analysis of the aircraft data has not been completed.